



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Sunshine Windows Manufacturing, Inc.  
1745 W. 33<sup>rd</sup> Place  
Hialeah, FL 33012

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/ or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series "2001" 8'-0" Outswing Aluminum French Door - L.M.I.

**APPROVAL DOCUMENT:** Drawing No. FD01-13, titled "Series 2001 Aluminum French Door - Impact Resistant Glass, sheets 01 through 08 of 08, dated 04/02/08, with the latest revision "1" dated 01/20/15, prepared by manufacturer, signed and sealed by Francisco Hernandez, P. E., bearing the Miami-Dade County Product Control Section Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large and Small Missile Impact Resistant

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 14-0109.06 and consists of this page 1 and evidence pages E-1 and E-2, and Green Sustainable Attributes (GSA) page G-1 as well as approval document mentioned above.

The submitted documentation was reviewed by Jaime D. Gascon, P. E.

Miami Dade County Department of Regulatory And Economic Resources - Job Copy

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NOA02-05052017.PDF

NOA No. 15-0204.05

Expiration Date: May 08, 2018

Approval Date: April 23, 2015

Page 1

J. Gascon  
4/15/15  
Review  
AS  
4/27/17

Sunshine Windows Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under previous NOA's No. 's 14-0109.06 and 02-1104.03)*
2. Drawing No. FD01-13, titled "Series 2001 Aluminum French Door - Impact Resistant Glass, sheets 01 through 08 of 08, dated 04/02/08, with the latest revision "1" dated 01/20/15, prepared by manufacturer, signed and sealed by Francisco Hernandez, P. E.

**B. TESTS**

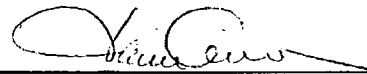
1. Test report on:
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, Side-Hinged Door Systems, per FBC, chapter 2411 3.2.1, TAS 202-94 and per AAMA 1304-02along with marked-up drawings and installation diagram of an Aluminum swinging Glass Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-7262, dated 05/15/13, signed and sealed by Marlin D. Brinson, P. E.  
*(Submitted under previous NOA No. 14-0109.06)*
2. Test report on:
  - 1) Air Infiltration Test, per FBC, TAS 202-94
  - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
  - 3) Water Resistance Test, per FBC, TAS 202-94
  - 4) Large Missile Impact Test per FBC, TAS 201-94
  - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
  - 6) Forced Entry Test, Side-Hinged Door Systems, per FBC, chapter 2411 3.2.1, TAS 202-94 and per AAMA 1304-02along with marked-up drawings and installation diagram of an Aluminum swinging Glass Door, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-3399, dated 08/16/02, signed and sealed by Joseph C. Chan, P. E.  
*(Submitted under previous NOA No. 02-1104.03)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with the **Florida Building Code 5<sup>th</sup> Edition (2014)**, prepared, dated 01/20/15, signed and sealed by Francisco Hernandez, P. E.
2. **Glazing complies with ASTM E1300-04/ 09**

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER).



Jalme D. Gascon, P. E.

Product Control Section Supervisor  
NOA No. 15-0204.05

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Expiration Date: May 08, 2018

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Sunshine Windows Manufacturing, Inc.

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**E. MATERIAL CERTIFICATIONS**

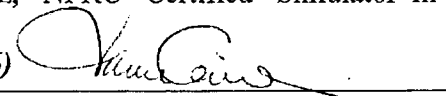
1. Notice of Acceptance No. 14-0916.10 issued to Kuraray America, Inc. for their "Kuraray PVB Glass Interlayer" expiring on 12/11/16.

**F. STATEMENTS**

1. Statement letter of conformance and complying with FBC 5<sup>th</sup> Edition (2014) and with AAMA/ WDMA/ CSA 101/ I.S. 2/ A440, issued, dated 01/28/15, signed and sealed by Francisco Hernandez, P. E.
2. Department of State Certification of SUNSHINE WINDOWS MANUFACTURING CORPORATION, INC. as a for profit corporation, active and organized under the laws of the State of Florida, dated 11/24/14 and e-filed by the Secretary of State.
3. Statement letter of conformance and complying with FBC-2010 and with AAMA/ WDMA/ CSA 101/ I.S. 2/ A440, issued, dated 12/05/13, signed and sealed by Francisco Hernandez, P. E.  
(Submitted under previous NOA No. 14-0109.06)
4. Statement letter of no financial interest and independence, issued, dated 12/05/13, signed and sealed by Francisco Hernandez, P. E.  
(Submitted under previous NOA No. 14-0109.06)
5. Laboratory compliance letter prepared by Fenestration Testing Laboratory, Inc., for Test Report FTL-7262, dated 05/15/13, signed & sealed by Marlin D. Brinson, P. E.  
(Submitted under previous NOA No. 14-0109.06)
6. Laboratory addendum letter prepared by Fenestration Testing Laboratory, Inc., for Test Report No. FTL-3399, dated 04/24/03, signed and sealed Joseph C. Chan, P. E.  
(Submitted under previous NOA No. 02-1104.03)
7. Laboratory compliance letter prepared by Fenestration Testing Laboratory, Inc., for Test Report No. FTL-3399, dated 08/16/02, signed and sealed Joseph C. Chan, P. E.  
(Submitted under previous NOA No. 02-1104.03)

**G. OTHERS**

1. Notice of Acceptance No. 14-0109.06, issued to Sunshine Windows Manufacturing, Inc. for their Series "2001 French 8-Ft. Outswing Aluminum Glazed Door - L.M.I.", approved on 05/08/14 and expiring on 05/08/18.
2. NFRC U-Factor, SHGC, VT & Condensation Resistance Computer Simulation Report on: DDFR "Test Procedure for Measuring the Steady State Thermal Transmittance of Fenestration Systems" of the series 2001 Aluminum glazed outswing French door at all members, along with attached Description Table Abbreviations in Appendix, submittal Form and Drawings, marked-up by Fenestration Testing Laboratory, Inc., Simulation Report No. FTL-7625, pages 01 to 05 of 05, including Miami-Dade County NOA No. 14-0109.06 approval drawings, sheets 01 to 08 of 08, dated 12/03/13 and signed by Jose Sanchez, NFRC Certified Simulator-In-Responsible-Charge (CSIRC).  
(Submitted under previous NOA No. 14-0109.06)

  
Jaime D. Gascon, P. E.  
Product Control Section Supervisor

Miami Dade County Department of Regulatory And Economic Resources - Job Center

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NOA No. 15-0204.05  
Expiration Date: May 08, 2018  
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**Sunshine Windows Manufacturing, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**I. GREEN SUSTAINABLE ATTRIBUTES (GSA)**

**SCOPE:** This document is solely for the purpose of verification of Sustainable Attributes of construction materials. The documentation submitted has been reviewed by Miami-Dade County, Department of Regulatory and Economic Resources (RER), Product Control Section (PCS).

*(Submitted under previous NOA No. 14-0109.06)*

| <b>G.8 - U FACTOR (THERMAL TRANSMITTANCE) BTU/HR-FT<sup>2</sup>-°F</b>       |                        |                     |                                      |              |           |
|--|------------------------|---------------------|--------------------------------------|--------------|-----------|
| <b>G.9 - SHGC FACTOR (SOLAR HEAT GAIN COEFFICIENT) BTU/HR-FT<sup>2</sup></b> |                        |                     |                                      |              |           |
| ID No.   | Simulation Report No.: | Product Description | Glazing Components:                  | G.8: U-Value | G.9: SHGC |
| 01-00  | FTL-7625               | DDFR                | 3/16 Clear                           | 1.07         | 0.57      |
| 01-01  |                        |                     | 3/16 Solar Bronze                    | 1.07         | 0.46      |
| 01-02  |                        |                     | 3/16 Solar Gray                      | 1.07         | 0.43      |
| 01-03  |                        |                     | 3/16 Solex                           | 1.07         | 0.45      |
| 01-04  |                        |                     | 1/4 Clear                            | 1.07         | 0.56      |
| 01-05  |                        |                     | 1/4 Solar Bronze                     | 1.07         | 0.44      |
| 01-06  |                        |                     | 1/4 Solar Gray                       | 1.07         | 0.41      |
| 01-07  |                        |                     | 1/4 Solex                            | 1.07         | 0.43      |
| 03-00  |                        |                     | 1/8-SB60/ 0.090 PVB 1/8 clr.         | 1.03         | 0.32      |
| 04-00  |                        |                     | 1/8 Solar gray/ 0.090 PVB 1/8-SB60   | 1.03         | 0.31      |
| 05-00  |                        |                     | 1/8 Solar gray/ 0.090 PVB 1/8-SB70XL | 1.03         | 0.27      |

*(Submitted under previous NOA No. 14-0109.06)*

| <b>Legend</b>         |  |
|-----------------------|--|
| <b>Abbreviations:</b> | <b>Description:</b>                        |
| PVB                   | Poly Vinyl Interlayer                      |
| clr.                  | Clear Glass                                |
| SB60                  | PPG Solarban 60 or 70 @ #2 Surface Typical |
| SB70XL                | PPG Solarban 60 or 70 @ #2 Surface Typical |

*(Submitted under previous NOA No. 14-0109.06)*



**Jaime D. Gascon, P. E.**

**Product Control Section Supervisor**  
NOA No. 15-0204.08

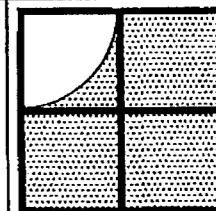
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**Expiration Date: May 08, 2018**

**Approval Date: April 23, 2015**

**NOA02-05052017.PDF**



Sunshine Windows  
Manufacturing, Inc.  
1745 W. 33rd Place  
Hialeah, Florida 33012  
Ph: (305)364-9952  
Fax: (305)828-5118

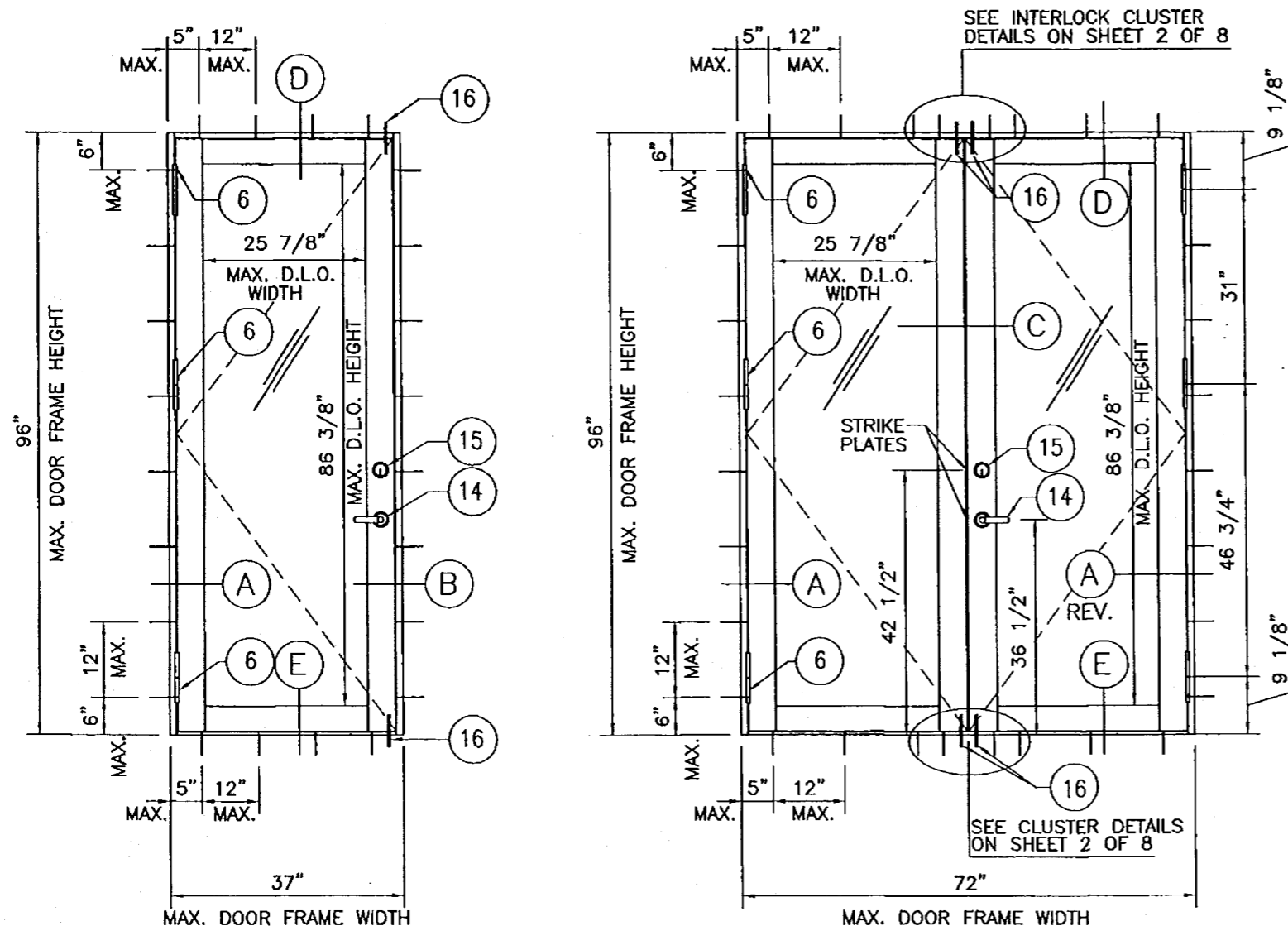
SERIES 2001 ALUMINUM  
OUTSWING FRENCH DOOR  
LARGE MISSILE IMPACT RESISTANT

| No. | DATE     | REVISION             |
|-----|----------|----------------------|
| 1   | 01-20-15 | UPDATED FOR 2014 FBC |

DRAWING No.  
FD01-13  
DATE: 05/16/13  
SCALE: N.T.S.  
SHEET 1 OF 8

## GENERAL NOTES:

- 1.- THIS PRODUCT MEETS THE REQUIREMENTS OF FBC 5TH EDITION (2014).
- 2.- SHUTTERS ARE NOT REQUIRED.
- 3.- REFERENCE TEST REPORT FTL - 7262 DATED ON 4/15/2013.
- 4.- FOR INSTALLATION REFER TO INSTALLATION NOTES ON SHEET 6 OF 8. SEE CLUSTER DETAILS ON SHEET 2 OF 8 AND ALSO TYPICAL DETAILS ON SHEETS 3, 4 AND 5 OF 8.
- 5.- 1X OR 2X WOOD BUCKS NOT INCLUDED IN THE SCOPE OF THIS PRODUCT APPROVAL SHALL BE PROPERLY ATTACHED TO SUSTAIN AND TRANSFER THE LOADS IMPOSED BY THE GLAZING SYSTEM TO THE STRUCTURE AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.
- 6.- WOOD HOST STRUCTURE SHALL BE SOUTHERN YELLOW PINE G = 0.55 OF GREATER DENSITY.
- 7.- CONCRETE / MASONRY STRUCTURE FOR UNIT ATTACHMENT SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:
  - CONCRETE STRENGTH  $F_c'28 = 3000$  PSI MIN.
  - CMU AS PER ASTM C90. CMU MUST BE 8-INCH THICK, NORMAL WEIGHT BLOCKS WITH A MINIMUM COMPRESSIVE STRENGTH OF 1.9 KSI.
  - FILLED CMU  $F_m' = 2000$  PSI MIN.
- 8.- THE THICKNESS OF THE ALUMINUM HOST STRUCTURE SHALL NOT BE LESS THAN 1/8". ALUMINUM SHALL BE 6063-T6.
- 9.- ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL BE PROTECTED (BY OTHERS) AS SPECIFIED IN FBC 5TH EDITION (2014).
- 10.- STEEL HOST STRUCTURE SHALL NOT BE LESS THAN 18 GAUGE. STEEL SHALL BE  $F_y = 36$  KSI MIN.
- 11.- DOORS REQUIRING FULL USER PASSAGE SHALL COMPLY WITH EGRESS REQUIREMENTS OF FBC 5TH EDITION (2014).
- 12.- COLONIAL MUNTINS CAN BE APPLIED.
- 13.- SEE FRAME CORNERS AND PANEL CORNERS DETAILS ON SHEET 8 OF 8.
- 14.- USE NON-SHRINK, NON-METALIC HYDRAULIC CEMENT GROUT PER ASTM C1107/C1107M STANDARD SPECIFICATION FOR PACKAGED DRY.



## ELEVATIONS

### DESIGN PRESSURES

| MAX. DOOR<br>FRAME HEIGHT | DOOR LEAF<br>WIDTH<br>(NOMINAL) | DESIGN PRESSURE (PSF) |          |
|---------------------------|---------------------------------|-----------------------|----------|
|                           |                                 | EXT. (+)              | INT. (-) |
| 8'-0"                     | 3'-0"                           | 77.13                 | 77.13    |
|                           | 2'-6" *                         | 80.00                 | 89.13    |
| 6'-8"                     | 3'-0"                           | 80.00                 | 90.00    |
|                           | 2'-6" *                         | 80.00                 | 90.00    |

\* - FOR DOOR LEAF UNDER 3'-0 SEE NOTE 11.

### FLUSH BOLTS:

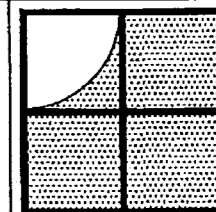
- 1.- TOTAL OF 4 (2 AT ACTIVE LEAF AND 2 AT INACTIVE LEAF AT HEAD AND AT SILL OF EACH).
- 2.- ALL DOOR FLUSH BOLTS SHALL BE ENGAGED IN ORDER TO ACHIEVE THE DESIGN PRESSURES SHOWN ON CHART.

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0204-05  
Expiration Date 05/08/2018  
By: Francisco Hernandez  
Miami Dade Product Control

FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

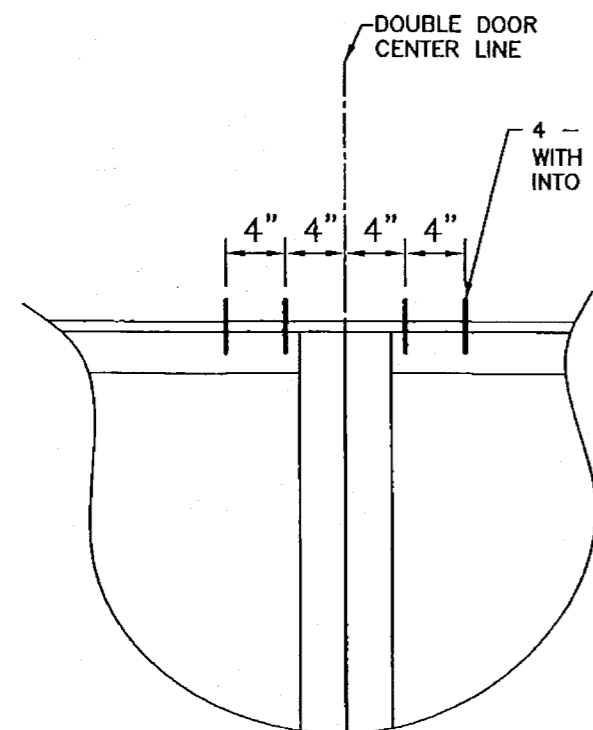
## INDEX OF DRAWINGS

- 1 OF 8 : DOOR ELEVATIONS, DESIGN PRESSURES CHART, GENERAL NOTES AND INDEX OF DRAWINGS.
- 2 OF 8 : INTERLOCK CLUSTERS DETAILS
- 3 OF 8 : TYPICAL HEAD SECTIONS.
- 4 OF 8 : TYPICAL JAMB SECTIONS.
- 5 OF 8 : TYPICAL SILL SECTIONS.
- 6 OF 8 : HORIZONTAL SECTIONS & INSTALLATION NOTES.
- 7 OF 8 : VERTICAL SECTIONS & MATERIAL LIST.
- 8 OF 8 : CORNER DETAILS.

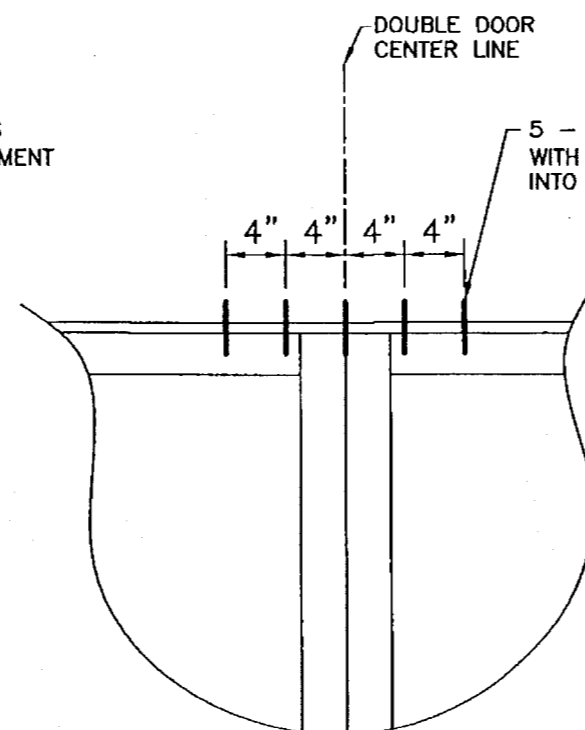


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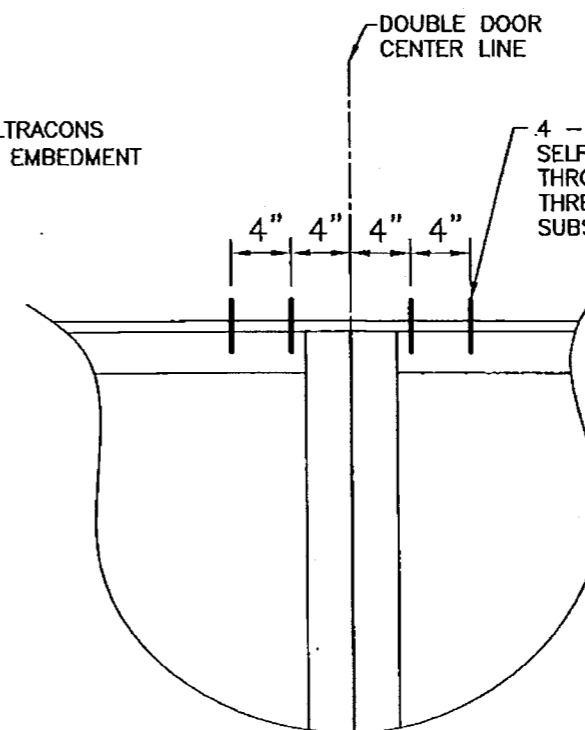
SERIES 2001 ALUMINUM  
OUTSWING FRENCH DOOR  
LARGE MISSILE IMPACT RESISTANT



CLUSTER DETAIL  
FOR ATTACHMENT TO CONCRETE  
WITH OR W/O WOOD BUCKS  
AT FRAME HEAD AND FRAME SILL



CLUSTER DETAIL  
FOR ATTACHMENT TO WOOD  
AT FRAME HEAD AND FRAME SILL



CLUSTER DETAIL  
FOR ATTACHMENT TO METAL  
AT FRAME HEAD AND FRAME SILL

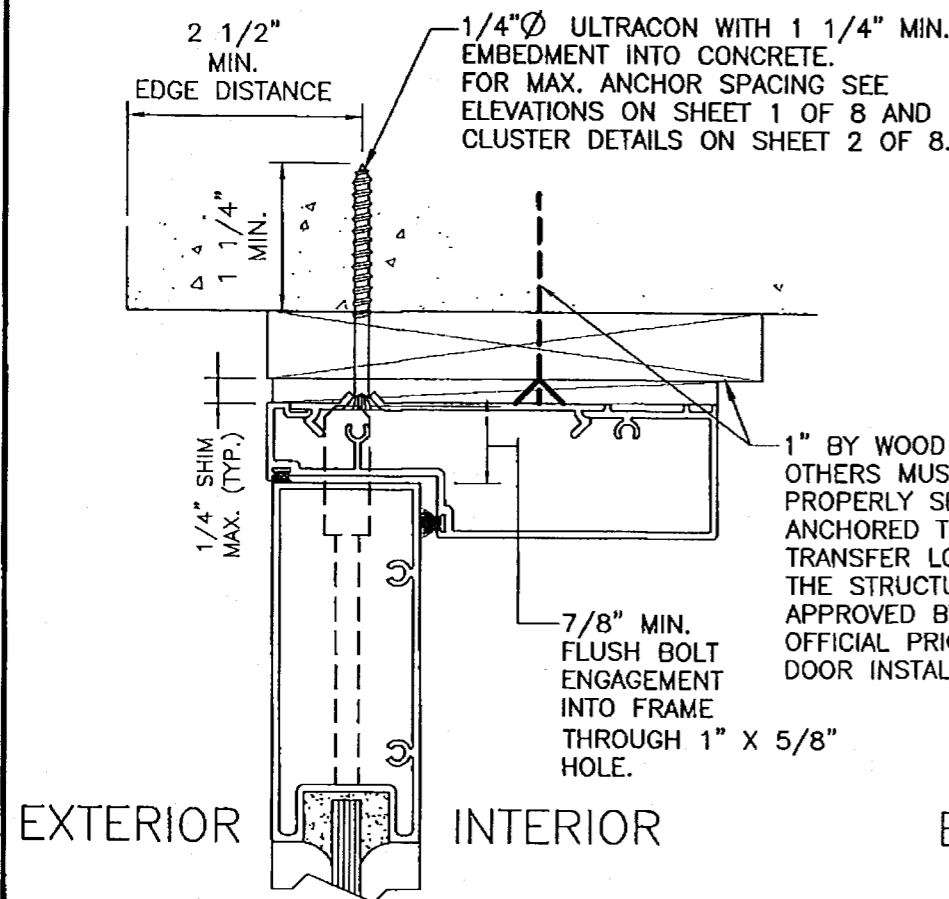
INTERLOCK CLUSTERS DETAILS

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 15-0204.05  
Expiration Date 05/08/2018  
By *[Signature]*  
Miami Dade Product Control

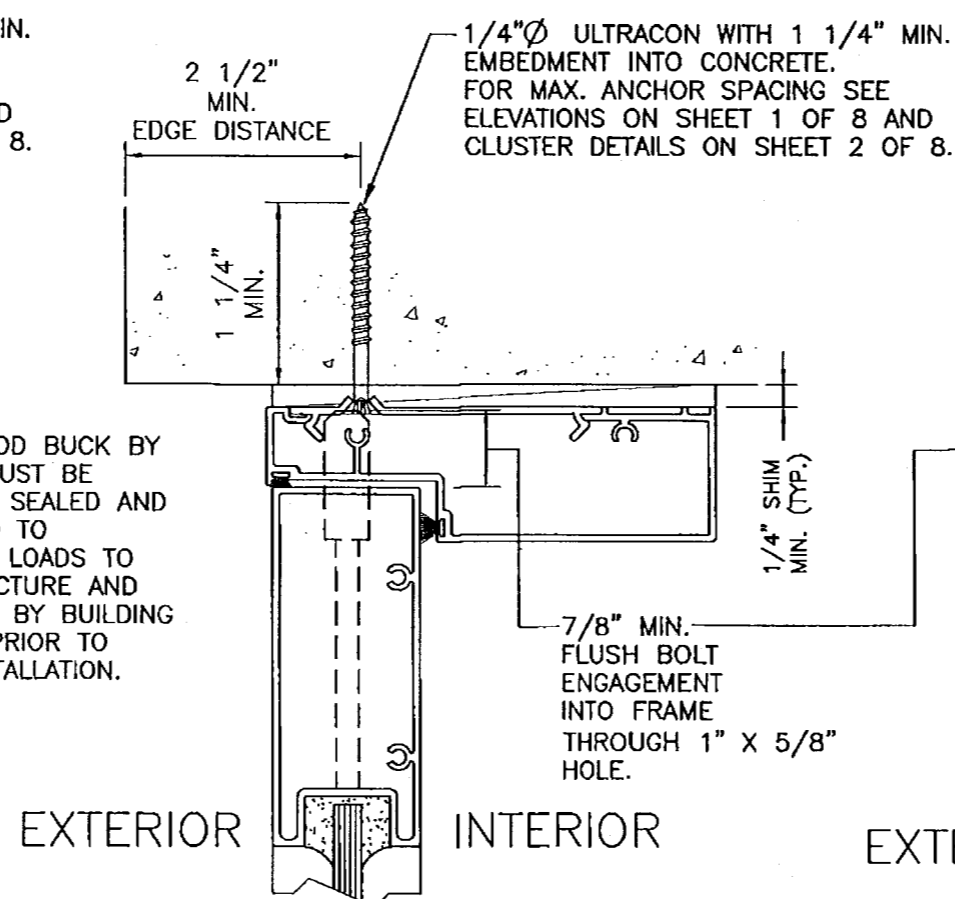
FRANCISCO HERNANDEZ  
FLORIDA PE # 51393

REVISION  
DATE  
1 01-20-15  
UPDATED FOR 2014 FBC

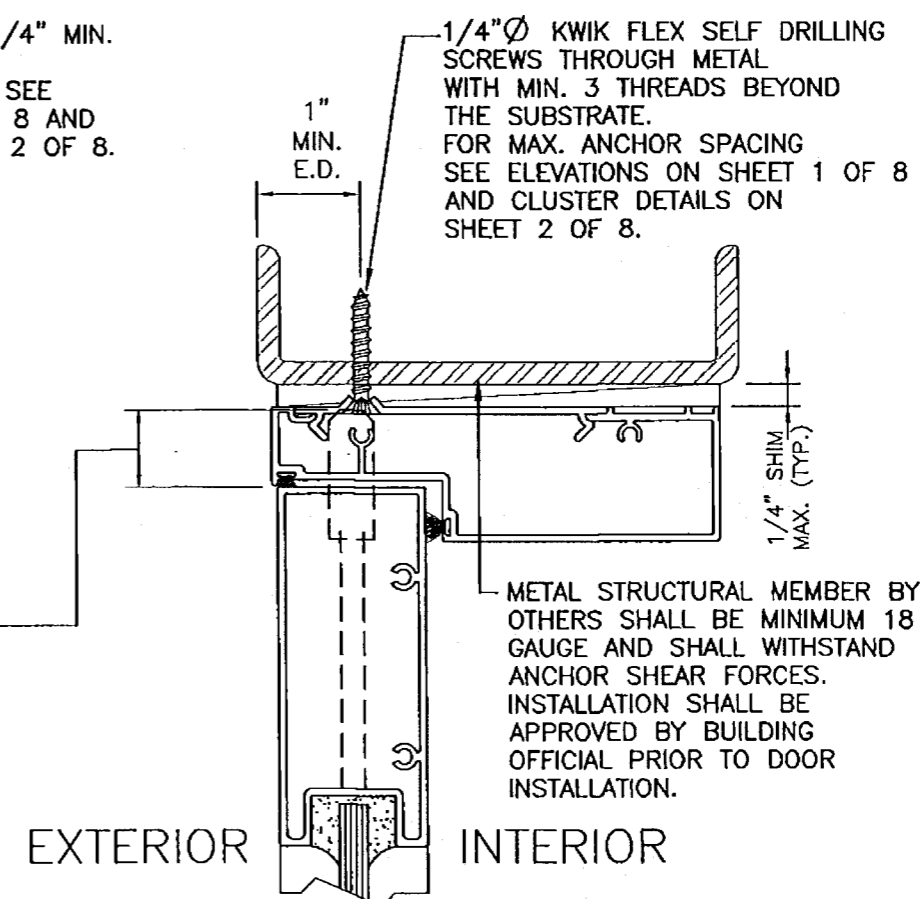
DRAWING No.  
FD01-13  
DATE: 05/16/13  
SCALE: N.T.S.  
SHEET 2 OF 8



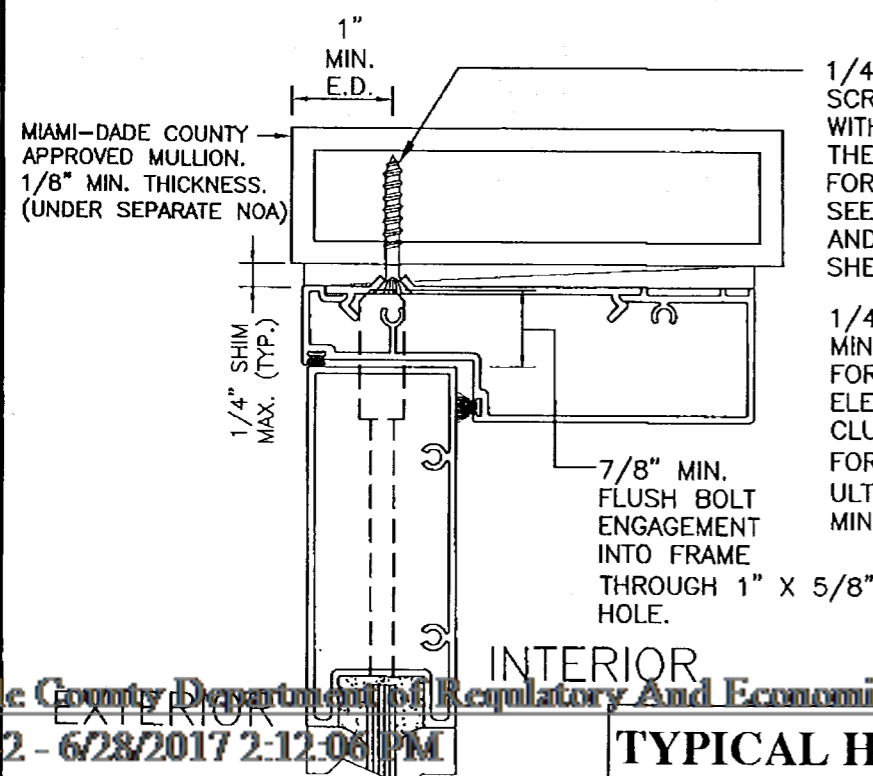
ATTACHMENT TO CONCRETE THROUGH 1 X WOOD BUCK



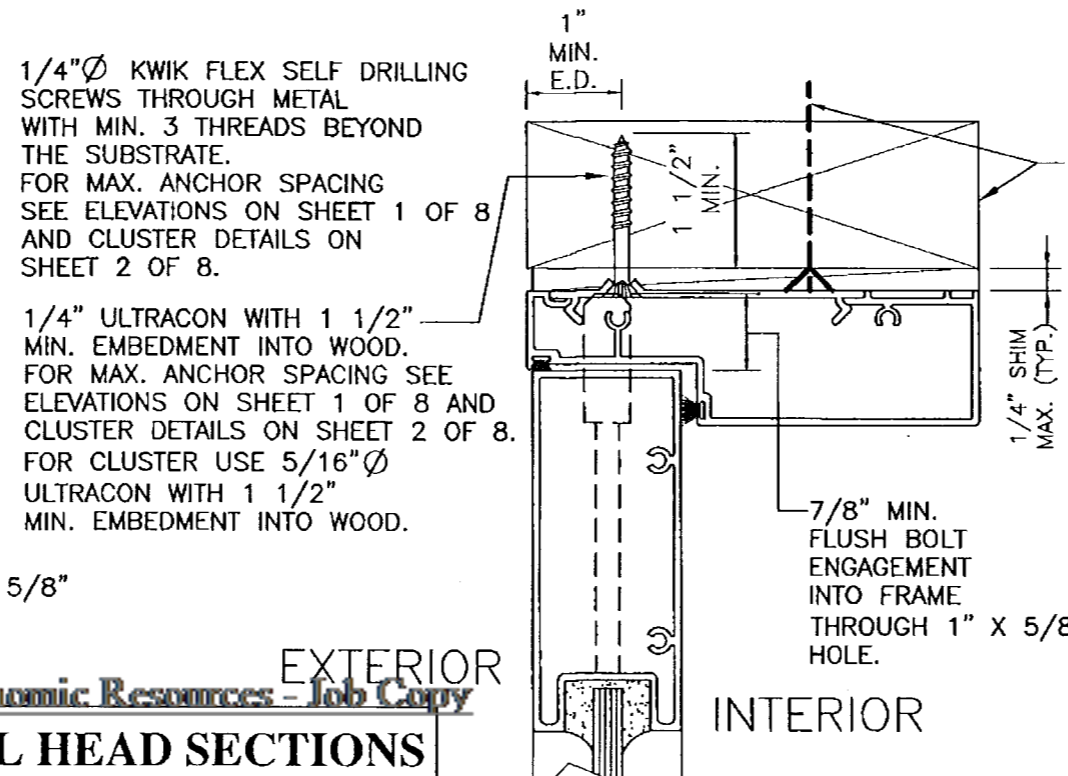
ATTACHMENT TO CONCRETE WITHOUT WOOD BUCK



ATTACHMENT TO METAL STRUCT.



ATTACHMENT TO MULLION



ATTACHMENT TO WOOD

TYPICAL HEAD SECTIONS

PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 15-0204.05  
 Expiration Date 05/08/2018  
 By: [Signature]  
 Miami Dade Product Control

FRANCISCO HERNANDEZ  
 FLORIDA PE # 51393

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| 1  | 01-20-15 |          |                      |

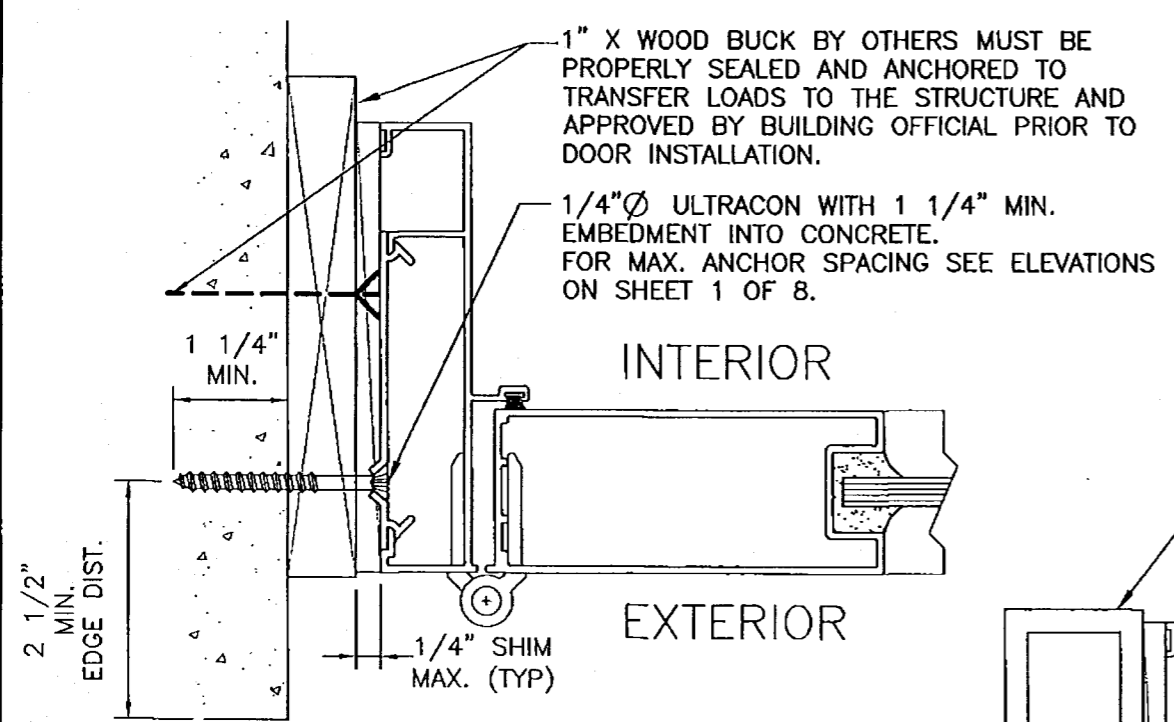
DRAWING No. FD01-13  
 DATE: 05/16/13  
 SCALE: N.T.S.  
 SHEET 3 OF 8

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**SERIES 2001 ALUMINUM  
 OUTSWING FRENCH DOOR  
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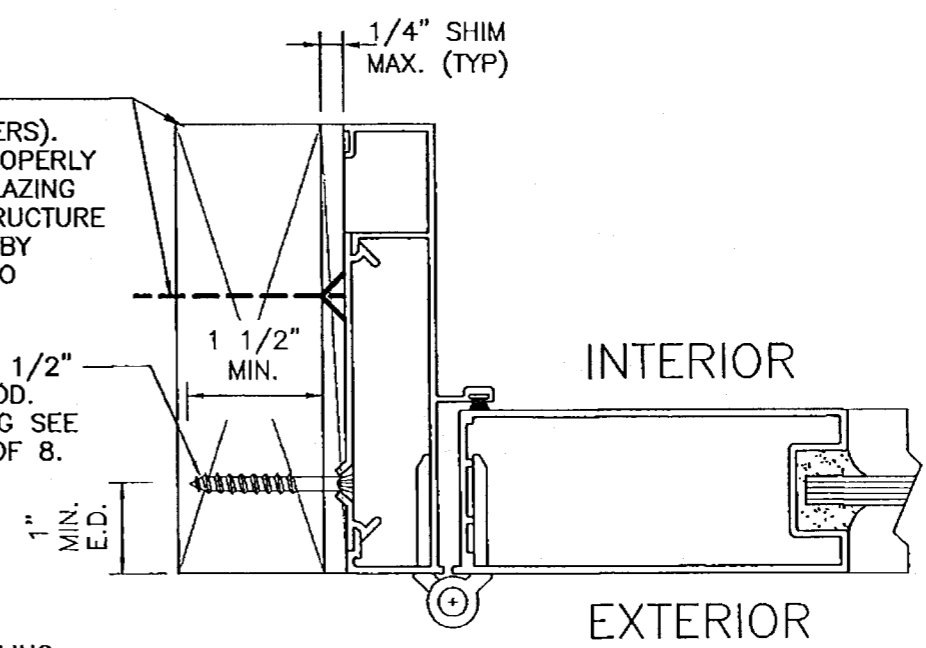
DRAWING No.  
**FD01-13**  
 DATE: 05/16/13  
 SCALE: N.T.S.  
 SHEET 4 OF 8



**ATTACHMENT TO CONCRETE  
 THROUGH 1 X WOOD BUCK**

WOODEN STRUCTURE OR 2 X WOOD BUCK (BY OTHERS). WOOD BUCKS MUST BE PROPERLY ATTACHED TO TRANSFER GLAZING SYSTEM LOADS TO THE STRUCTURE AND SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO WINDOW INSTALLATION

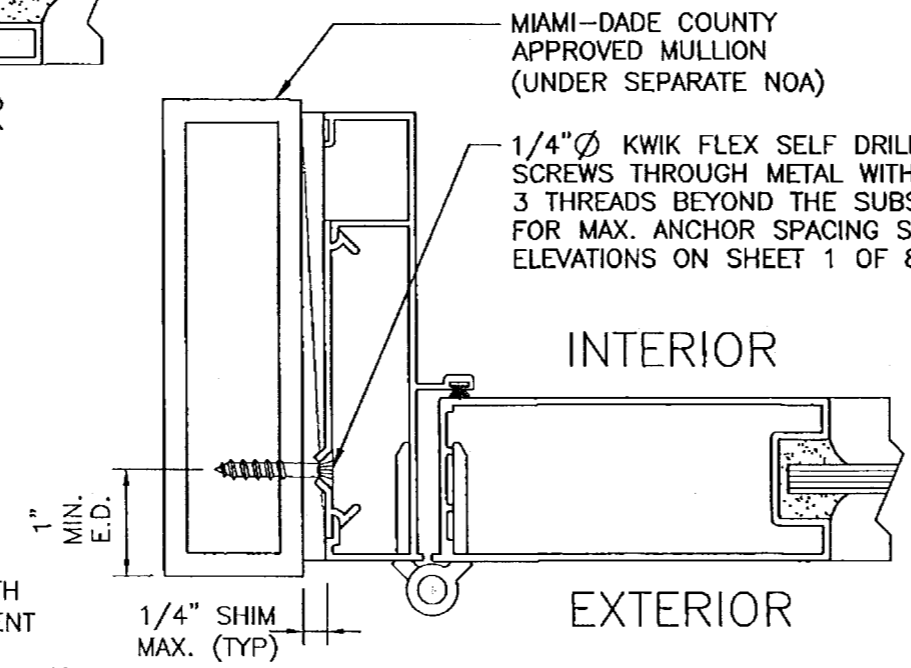
1/4"Ø ULTRACON WITH 1 1/2" MIN. EMBEDMENT INTO WOOD. FOR MAX. ANCHOR SPACING SEE ELEVATIONS ON SHEET 1 OF 8.



**ATTACHMENT TO WOOD**

MIAMI-DADE COUNTY APPROVED MULLION (UNDER SEPARATE NOA)

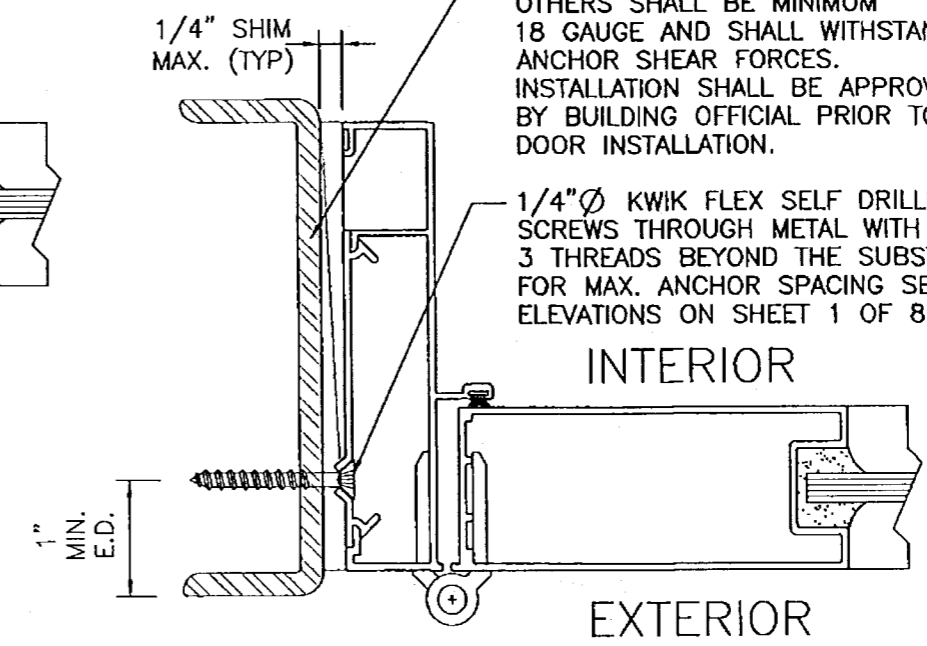
1/4"Ø KWIK FLEX SELF DRILLING SCREWS THROUGH METAL WITH MIN. 3 THREADS BEYOND THE SUBSTATE. FOR MAX. ANCHOR SPACING SEE ELEVATIONS ON SHEET 1 OF 8.



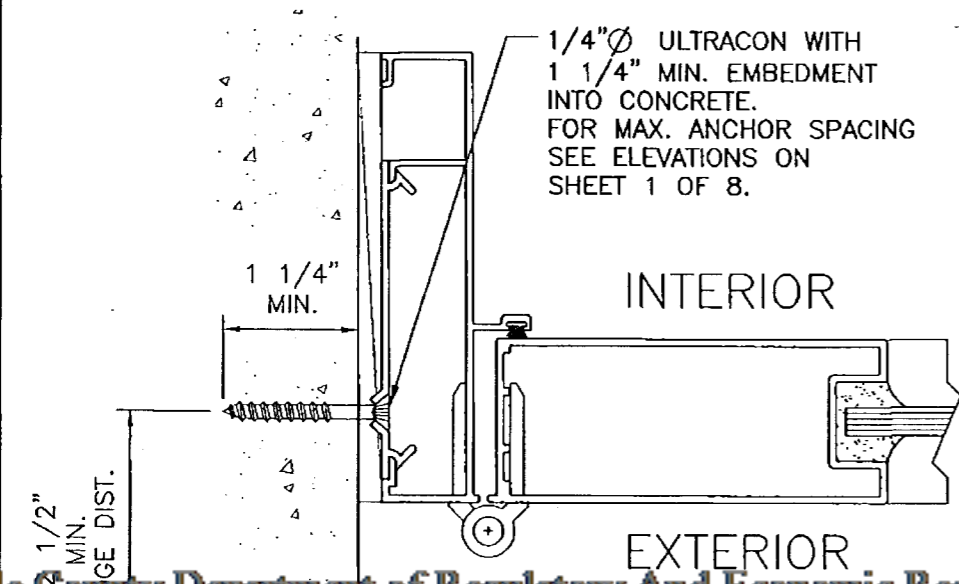
**ATTACHMENT TO MULLION**

METAL STRUCTURAL MEMBER BY OTHERS SHALL BE MINIMUM 18 GAUGE AND SHALL WITHSTAND ANCHOR SHEAR FORCES. INSTALLATION SHALL BE APPROVED BY BUILDING OFFICIAL PRIOR TO DOOR INSTALLATION.

1/4"Ø KWIK FLEX SELF DRILLING SCREWS THROUGH METAL WITH MIN. 3 THREADS BEYOND THE SUBSTATE. FOR MAX. ANCHOR SPACING SEE ELEVATIONS ON SHEET 1 OF 8.



**ATTACHMENT TO METAL STRUCT.**

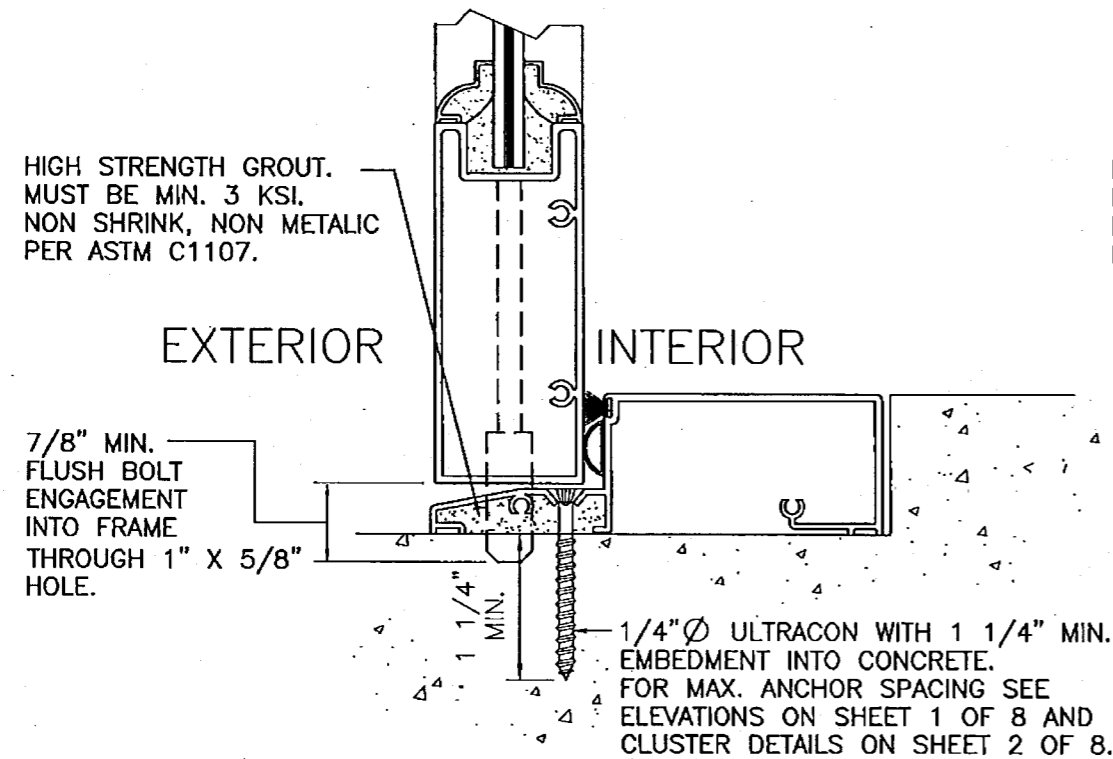


**ATTACHMENT TO CONCRETE  
 WITHOUT WOOD BUCK**

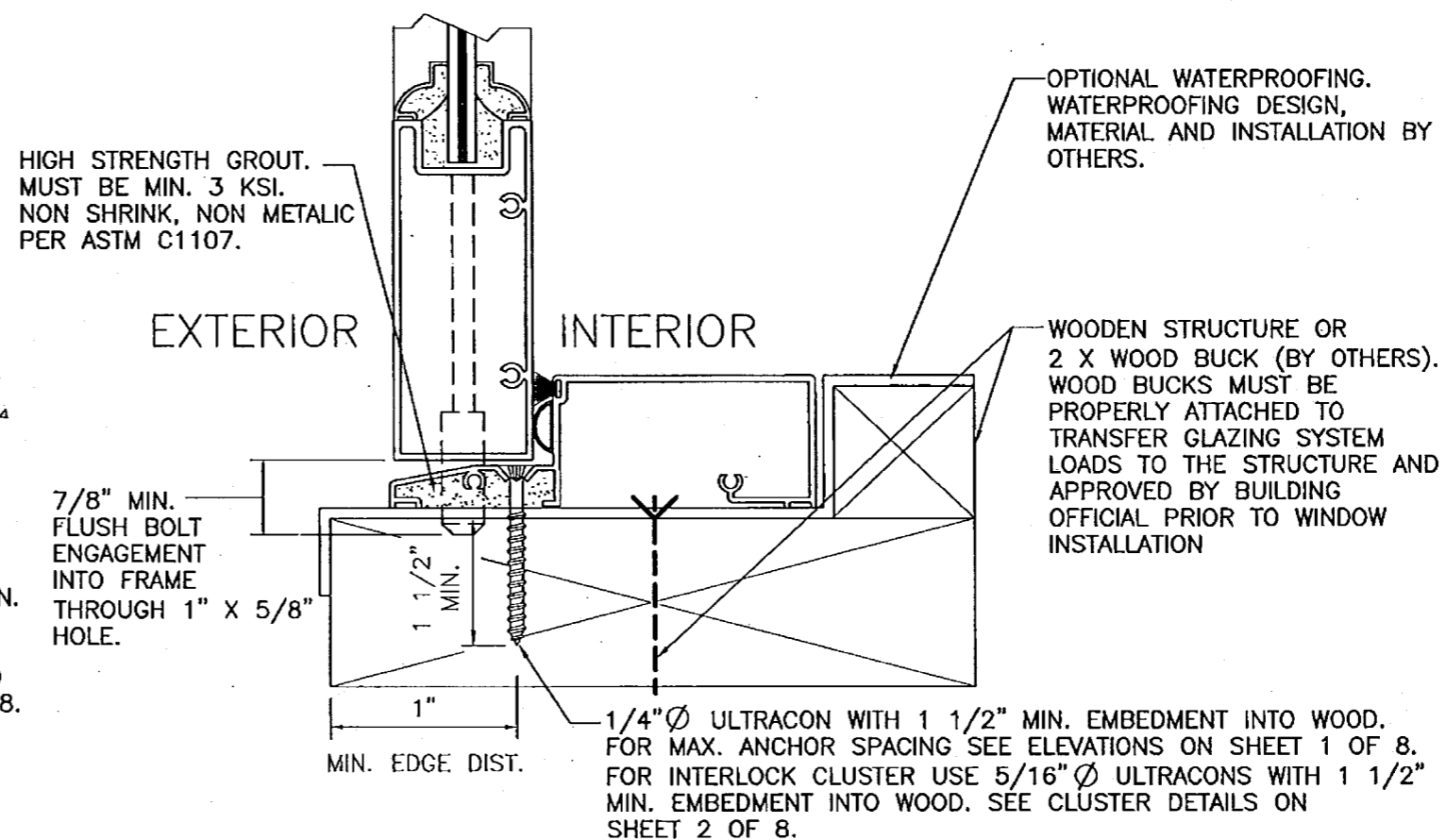
**TYPICAL JAMB SECTIONS**

PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. **15-0204.05**  
 Expiration Date **05/08/2018**  
 By *[Signature]*  
 Miami Dade Product Control

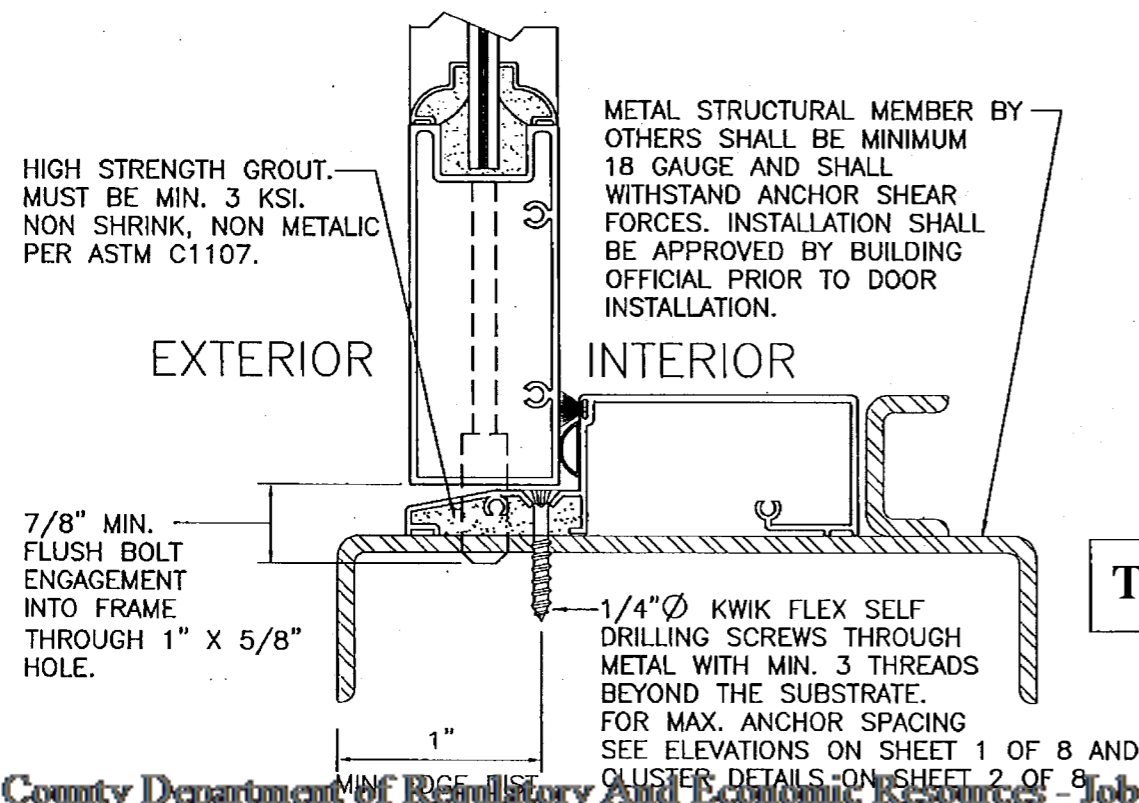
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 01-20-15  
 FRANCISCO HERNANDEZ  
 FLORIDA PE # 51393



ATTACHMENT TO CONCRETE

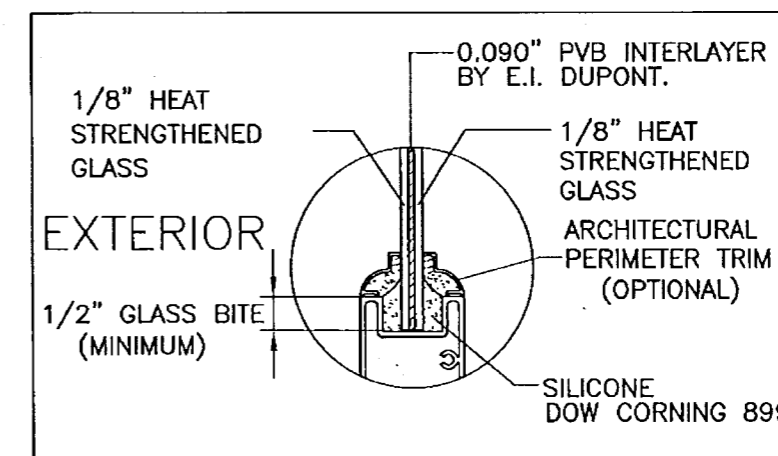


ATTACHMENT TO WOOD



TYPICAL SILL SECTIONS

GLAZING DETAIL



PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 15-0204.05  
 Expiration Date 25/08/2018  
 By [Signature]  
 Miami Dade Product Control

FRANCISCO HERNANDEZ  
 FLORIDA PE # 51393

Sunshine Windows Manufacturing, Inc.  
 1745 W. 33rd Place  
 Hialeah, Florida 33012  
 Ph: (305)364-9952  
 Fax: (305)828-5118

SERIES 2001 ALUMINUM  
 OUTSWING FRENCH DOOR  
 LARGE MISSILE IMPACT RESISTANT

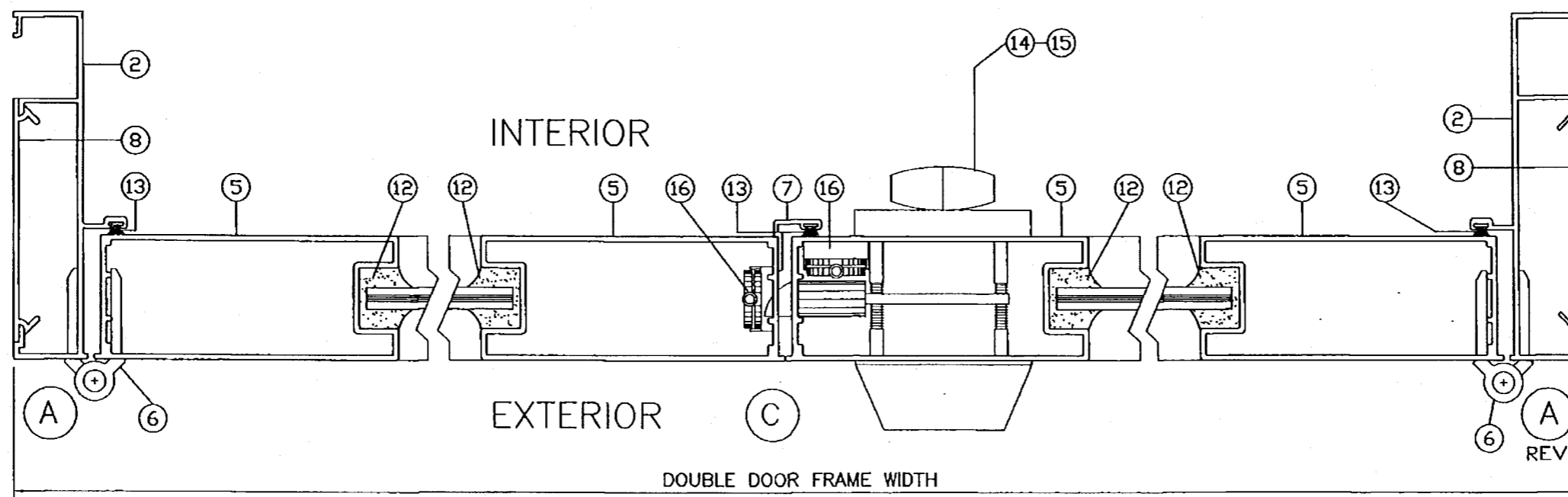
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| 1  | 01-20-15 |          |                      |

DRAWING No.  
 FD01-13

DATE: 05/16/13

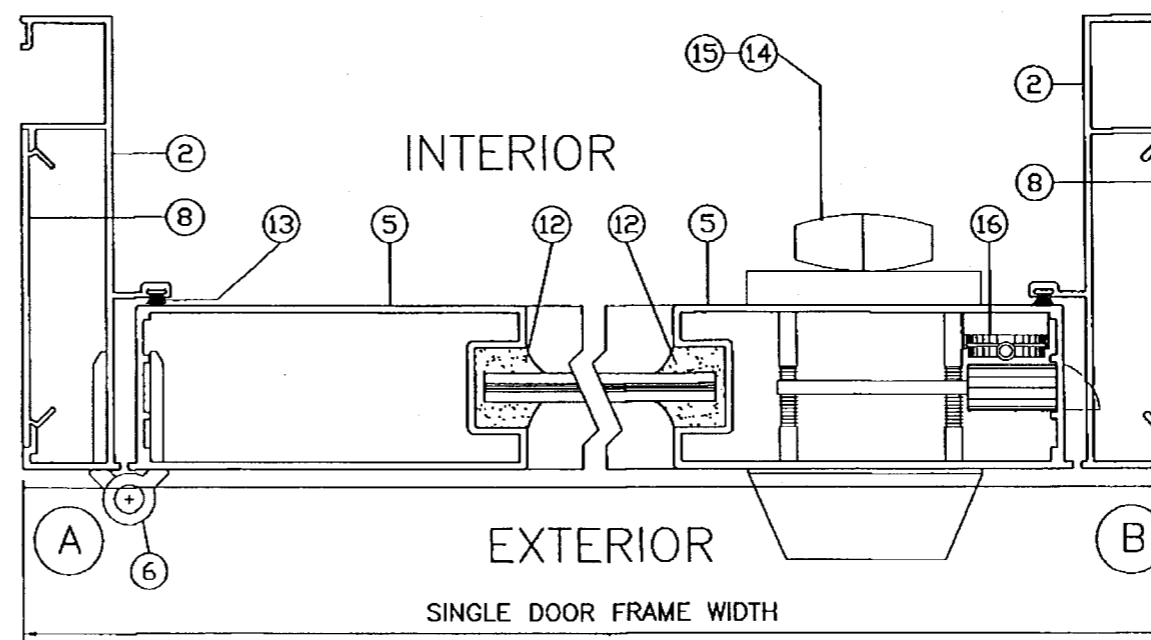
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SHEET 5 OF 8



## INSTALLATION NOTES

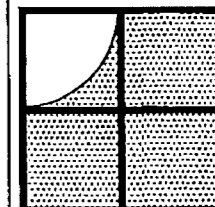
- 1.- FOR ANCHORS MAX. SPACING SEE DOOR ELEVATION ON SHEET 1 OF 8.
- 2.- FOR ANCHOR INSTALLATION AND CLUSTER DETAILS SEE SHEET 2 OF 8 AND TYPICAL SECTIONS ON SHEETS 3, 4, & 5 OF 8.
- 3.- FOR ATTACHMENT INTO CONCRETE THROUGH 1 X WOOD BUCK USE 1/4"Ø ULTRACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE AND 2 1/2" MIN. EDGE DISTANCE.
- 4.- FOR ATTACHMENT TO CONCRETE WITHOUT WOOD BUCKS USE 1/4"Ø ULTRACON BY ELCO WITH 1 1/4" MIN. EMBEDMENT INTO CONCRETE AND 2 1/2" MIN. EDGE DISTANCE.
- 5.- FOR ATTACHMENT TO WOODEN STRUCTURE OR 2 X WOOD BUCK USE 1/4" Ø ULTRACON BY ELCO WITH 1 1/2" MIN. EMBEDMENT INTO WOOD AND 1" MIN. EDGE DISTANCE. (SEE CLUSTER DETAIL)
- 6.- FOR ATTACHMENT TO STEEL MEMBERS (18 MIN. GAUGE) OR ALUMINUM MEMBERS (1/8" MIN. WALL THICKNESS) USE 1/4" KWIK-FLEX SELF DRILLING SCREWS.
- 7.- USE HIGH STRENGTH, NON SHRINK NON METALLIC GROUT (MIN 3 KSI) BETWEEN THE DOOR SILL AND THE CONCRETE SLAB CONTINUOUSLY ALONG THE SILL.



## HORIZONTAL SECTIONS

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Miami Dade Product Control

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LARGE MISSILE IMPACT RESISTANT

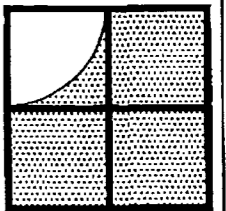
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SHEET 6 OF 8



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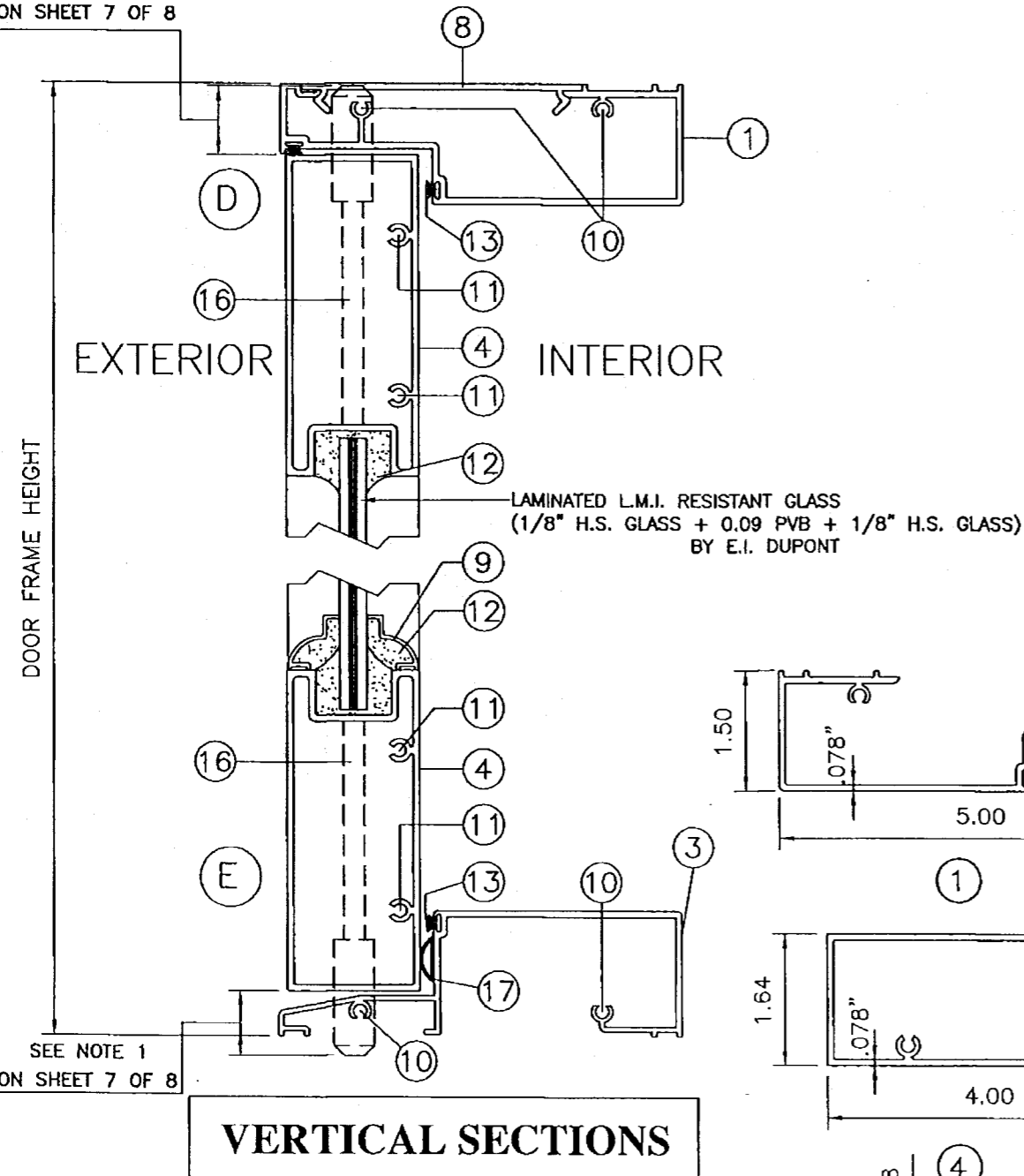
SCALE: N.T.S.

SHEET 7 OF 8

MATERIAL LIST

| No | PART             | QTY       | PART DESCRIPTION                              | MATERIAL      |
|----|------------------|-----------|---|---------------|
| 1  | GAS-46913        | 1         | FRAME HEAD                                    | 6063-T6       |
| 2  | GAS-46912        | 2         | FRAME JAMB                                    | 6063-T6       |
| 3  | GAS-46915        | 1         | FRAME SILL                                    | 6063-T6       |
| 4  | GAS-46914        | 4         | PANEL TOP AND BOTTOM RAIL                     | 6063-T5       |
| 5  | GAS-46910        | 4         | PANEL STILE                                   | 6063-T6       |
| 6  | GAS-46917        | 3 / LEAVE | HINGE   | 6063-T5       |
| 7  | GAS-46916        | 1         | ADAPTER                                       | 6063-T5       |
| 8  | GAS-40928        | AS REQ'D  | FLAT FILL COVER                               | 6063-T5       |
| 9  | GAS-46911        | OPTIONAL  | PERIMETER TRIM                                | 6063-T5       |
| 10 | 1LY73            | AS REQ'D  | # 10 X 1" SCREWS GRADE 5                      | STEEL         |
| 11 | 1MB16            | AS REQ'D  | # 10 X 1 1/2" SCREWS GRADE 5                  | STEEL         |
| 12 | SEALANT          | AS REQ'D  | DOW CORNING 899                               | SILICONE      |
| 13 | W33321NK0020     | AS REQ'D  | ULTRA FIN WEATHERSEAL BY ULTRAFAB .187 X .320 | POLYPROPYLENE |
| 14 | RA-2090L3RZAB3BP | 1         | LOCK (LATCH)                                  | ZINC          |
| 15 | RA-209DZ1ABBP    | 1         | LOCK (DEAD BOLT)                              | ZINC          |
| 16 | FLUSH BOLTS      | 2 / LEAVE | FLUSH BOLTS                                   | ZINC / STEEL  |
| 17 | X109HT-100       | AS REQ'D  | D SECTION FOAM RUBBER SEAL                    | EPDM          |

SEE NOTE 1  
ON SHEET 7 OF 8



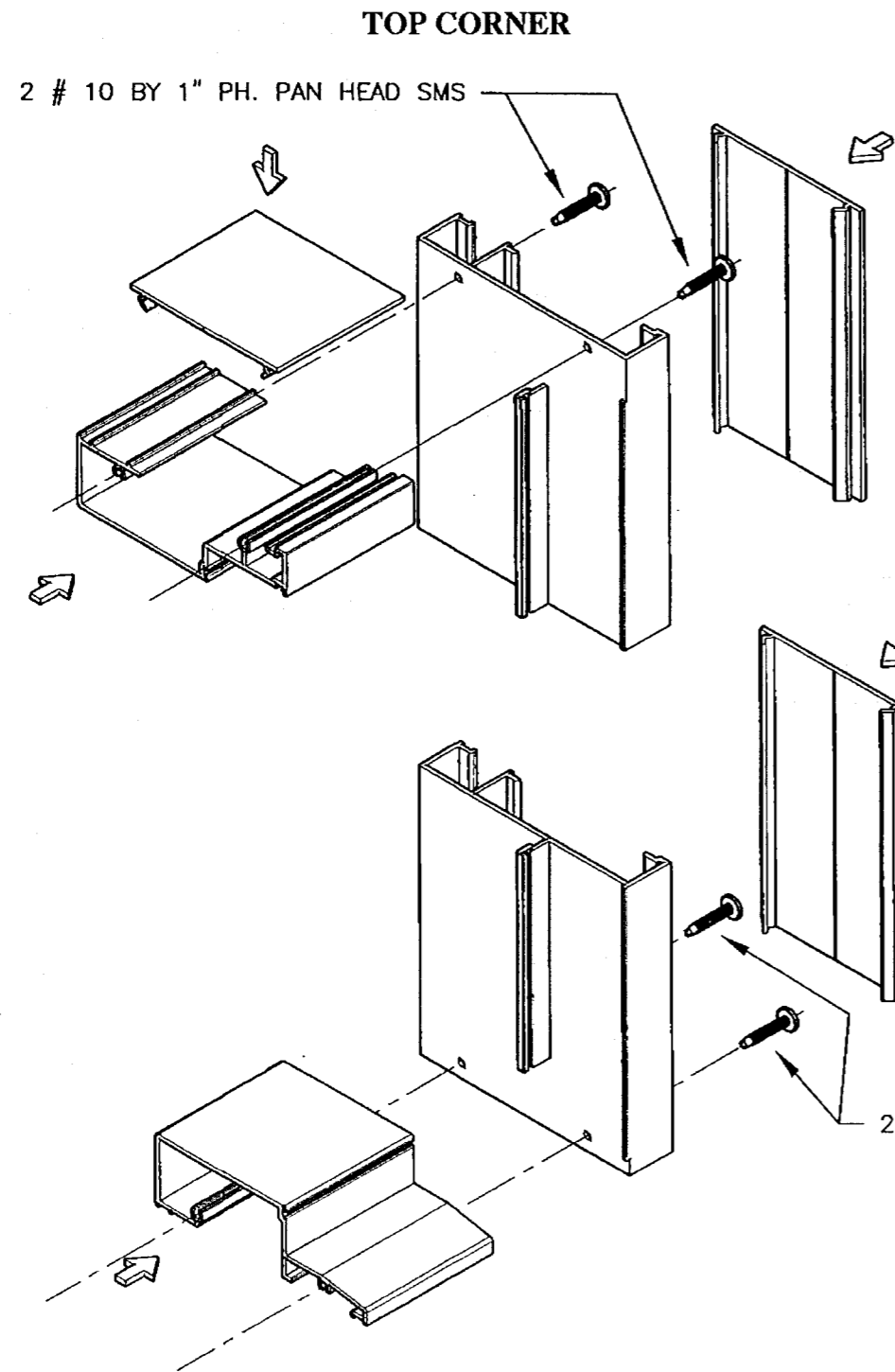
SEE NOTE 1  
ON SHEET 7 OF 8

NOTE:  
1.- 7/8" MIN. FLUSH BOLT ENGAGEMENT.

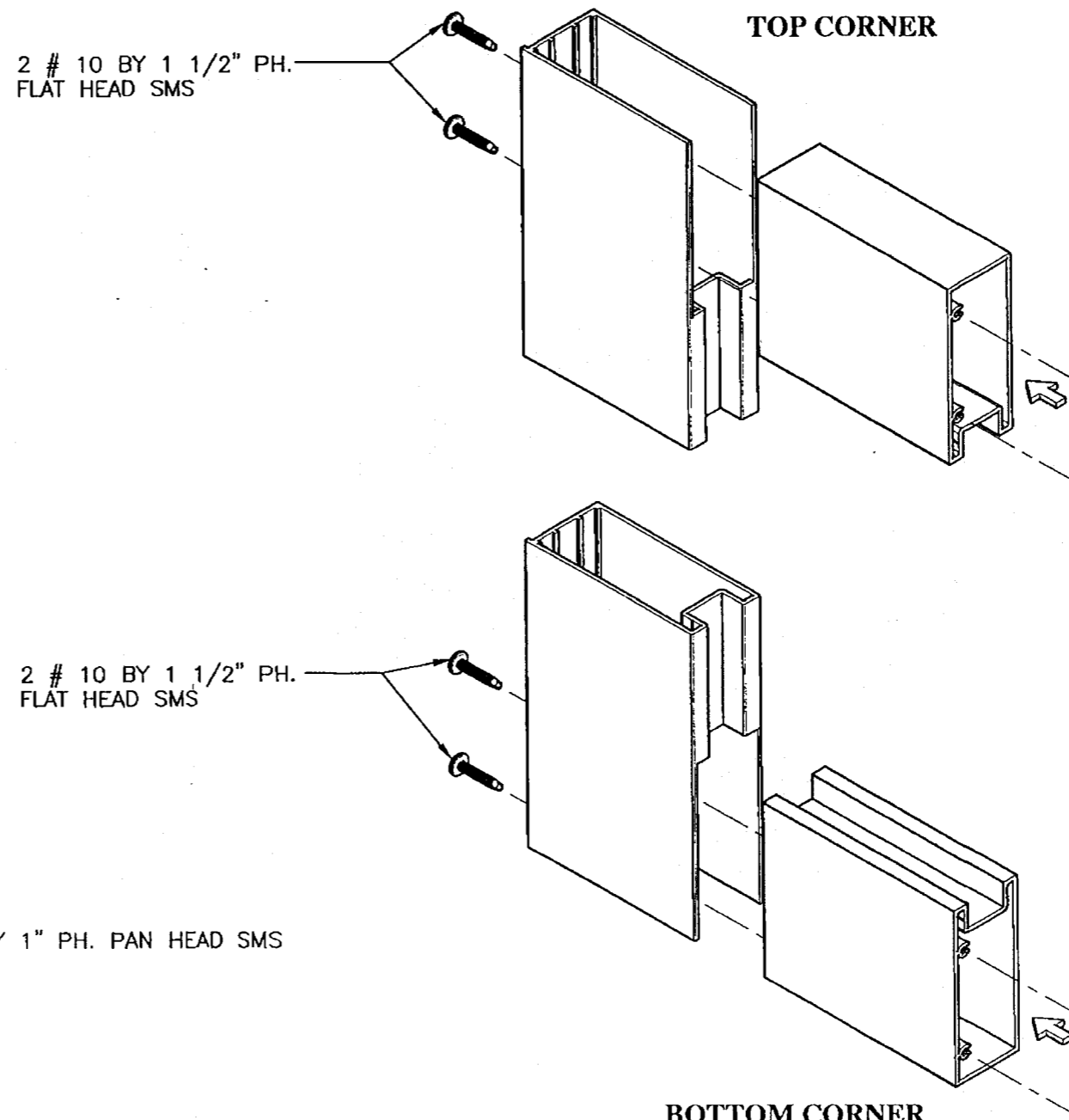
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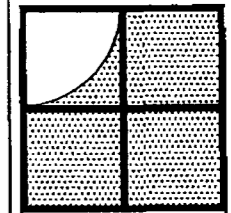
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01-20-14  
FRANCISCO HERNANDEZ  
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**DOOR FRAME CORNERS**  
SCALE: NTS



**DOOR PANEL CORNERS**  
SCALE: NTS



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SHEET 8 OF 8

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